EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dennis Rodgers on 3/30/2010.

2. The application has been amended as follows:

The abstract has been amended to now read:

~~The invention relates to a new type of~~ A deep well pump ~~apparatus~~, especially a numerically controlled reciprocating submersible pump ~~apparatus having a drive integrated with a pump~~ with freely ~~adjusting~~ adjustable parameters~~,~~ ~~online any time. The whole apparatus, including~~ includes a balancing sieve tube, a drive and a pump~~, is submersed in underground oil reservoirs~~. The drive ~~consists of~~ includes a stator with [[an]] airtight cavity and [[a]] reciprocating head with iron cores inside the stator. The stator and the reciprocating head form a friction couple via [[the]] supporting guides and the reciprocating head iron cores. The stator's upper end is connected to the pump's lower end through the sieve tube. An oil tube is connected to the pump. The stator's lower end is connected to the balancing sieve tube, end plug and end coupler serially. ~~The invention is a combination of the drive and the pump, adjusting working parameters online any time, eliminating the nodding donkey and rods, reducing installation time and~~

~~cost, saving large investment, energy and avoiding many disadvantages of the traditional oil extraction equipment.~~

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance: the prior art does not teach or disclose a sieve tube connected a pump; a balance sieve tube; a stator device comprising a stator housing in which is positioned a combination stacked sequence of a first spacer and guide device, a winding combination of opposite end covers and intermediate sequenced core components and windings, each in a direct contact stack arrangement, and a second spacer and guide device; first and second couplers positioned at opposite ends of said stator housing with said first coupler being positioned for coupling of said stator device to said sieve tube and said second coupler being positioned for coupling of said stator device to said balance sieve tube.

4. It is noted by the examiner, and stated here for the record of prosecution, that the aspect of the instant invention determined to be novel and patentably distinct from the prior art is the stacked arrangement of the stator and guide components. This limitation in combination with sieve tubes being attached to either end make the claim read over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PETER J. BERTHEAUD whose telephone number is (571)272-3476. The examiner can normally be reached on M-F 9am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on (571) 272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Devon C Kramer/
Supervisory Patent Examiner, Art Unit 3746

PJB
/Peter J Bertheaud/
Examiner, Art Unit 3746